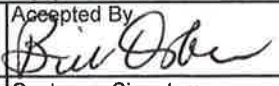


# PASS 3

## Calibration Certification

Customer Name <b>ABC Coke Plant</b>				Contract/P.O. No.		
Application/Service <b>Light Oil Control Box</b>				Tag No. <b>LOCB-CV</b>		
Manufacturer <b>Fisher</b>		Model No. <b>n/a</b>		Serial No. <b>n/a</b>		
Instrument			<b>X</b>			
Type	Transmitter	Indicator	Controller	Recorder	Gauge Thermometer	
Accuracy		Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading		
Input Signal Range and Units						
Lo Range Value <b>4</b>	Hi Range Value <b>20</b>	Units <b>MADC</b>		Characteristic <b>Linear</b>	Special <b>Control Valve</b>	
Output Signal Range and Units						
Lo Range Value <b>0</b>	Hi Range Value <b>100</b>	Units <b>Percent</b>		Characteristic <b>Linear</b>	Special	
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4	0	0.0	0.000	0.0	0.000
25%	8	25	20.0	-5.000	20.0	-5.000
50%	12	50	45.0	-5.000	45.0	-5.000
75%	16	75	70.0	-5.000	70.0	-5.000
100%	20	100	95.0	-5.000	95.0	-5.000
Comments						
Calibration Equipment Used						
Calibrator	Description	Model No.		Instrument ID	NIST Cert. No.	
Input Device	<b>Fluke Calibrator</b>	<b>725</b>		<b>On File</b>	<b>On File</b>	
Output Device	<b>Local Display</b>					
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>11/24/2008</b>	Accepted By 		Date Signed <b>11/30/09</b>		
PASS Signature <b>JOHN HORTON</b>		Customer Signature				



# INDUSTRIAL VALVE

**COPY SENT**

☒ R&R ☐ Quote  
☐ Reset ☐ Reconditioned  
☐ Test & Repair if Needed  
☒ Test & Repair

Owner: PROJECT Automation Service Date: 11-12-09  
 Plant: TUSCALOOSA, AL Job #: 1-50091976  
 P.O. # \_\_\_\_\_

FORM PVA REV 1 Revised 03/24/2008

## PRESSURE VACUUM VALVE OVERHAUL DATA SHEET

Work Required - Pretest & Condition Received

☐ New ☐ Good ☒ Fair ☐ Rough

### Valve Information:

PSV Number N/A  
 Equipment No. N/A  
 Manufacturer VABEC  
 Size 3"  
 Trim Material SIS-TEFLON  
 Set Pressure 9 OZ in WC in Hg PSI

Physical Location N/A  
 Model Number 2010  
 Serial Number N/A  
 Body Material 304SS  
 Hood Material 316SS  
 Bonnet Material \_\_\_\_\_  
 Set Vacuum .75 OZ in WC in Hg PSI

Recorded By: A.M. Date Recorded: 11-12-09

Test Complete Valve Using: ☐ Water ☐ Air ☐ Other

### VALVE OVERHAUL DATA (TO BE COMPLETED BY REPAIR TECH) - MARK % PLUGGED

CONDITION OF VALVE WHEN RECEIVED IN SHOP: ☒ 0% ☐ 25% ☐ 50% ☐ 75% ☐ 100%

☒ Leaking ☐ Corroded ☐ Eroded ☐ CLEAN ☐ PLUGGED  
☐ Spring Broken ☐ Stuck ☐ Binding ☐ Other \_\_\_\_\_

### ACTUAL TEST RESULTS AS RECEIVED:

#### (PRESSURE TEST)

Lift 9 OZ in WC in Hg PSI  
 Leak 0 OZ in WC in Hg PSI

#### (VACUUM TEST)

Lift .75 OZ in WC in Hg PSI  
 Leak .75 OZ in WC in Hg PSI

REMARKS: Reg'd: 11-12-09 CONTACT: Paul 361-7635

#### PARTS REPLACED

#### MATERIAL

CENTER GUIDE \_\_\_\_\_  
 GUIDE POST \_\_\_\_\_  
 SEATS \_\_\_\_\_  
 BODY \_\_\_\_\_  
 PRESSURE DIAPHRAGM 5 1/2 x 0.30  
 SPRING \_\_\_\_\_

#### PARTS REPLACED

#### MATERIAL

PRESSURE PALLET \_\_\_\_\_  
 VACUUM PALET \_\_\_\_\_  
 SCREEN \_\_\_\_\_  
 HOOD \_\_\_\_\_  
 VACUUM DIAPHRAGM 5 1/2 x 0.30  
 OTHER \_\_\_\_\_

### Work Done on Valve:

☐ TEST ONLY ☐ CLEANED ☒ OVERHAUL ☐ ADJUSTED ☐ OTHER \_\_\_\_\_

Tested By: JEFFREY GARNETT Set Pressure 9 OZ in WC in Hg PSI  
 Date Tested: 11-12-09 Set Vacuum .75 OZ in WC in Hg PSI

Test Fluid: ☒ Water ☒ Air ☐ Other Pressure Gauge S/N 62 Vacuum Gauge S/N 62

### REMARKS:

*Paul Myers*



# INDUSTRIAL VALVE

☒ R&R ☐ Quote  
☐ Reset ☐ Reconditioned  
☐ Test & Repair if Needed  
☐ Test & Repair

Owner PROJECT AUTOMATION  
Plant TUSCALOOSA, AL.  
P.O. # \_\_\_\_\_

Date 11-18-09  
Job # 5-50092007

FORM PVA REV 1 Revised 03/24/2008

## PRESSURE VACUUM VALVE OVERHAUL DATA SHEET

Work Required - Pretest & Condition Received

☐ New ☐ Good ☐ Fair ☒ Rough

### Valve Information:

Physical Location \_\_\_\_\_

PSV Number N/A  
Equipment No. N/A  
Manufacturer VAREC  
Size 2"  
Trim Material S/S  
Set Pressure 9 OZ WC in Hg PSI

Model Number 2010  
Serial Number N/A  
Body Material S/S  
Hood Material S/S  
Bonnet Material \_\_\_\_\_  
Set Vacuum 1.5 OZ in WC in Hg PSI

Recorded By: A.M.

Date Recorded: 11-18-09

Test Complete Valve Using: ☐ Water ☐ Air ☐ Other

### VALVE OVERHAUL DATA (TO BE COMPLETED BY REPAIR TECH) - MARK % PLUGGED

CONDITION OF VALVE WHEN RECEIVED IN SHOP: ☒ 0% ☐ 25% ☐ 50% ☐ 75% ☐ 100%  
CLEAN → PLUGGED

☐ Leaking ☐ Corroded ☐ Eroded  
☐ Spring Broken ☐ Stuck ☐ Binding ☐ Other \_\_\_\_\_

### ACTUAL TEST RESULTS AS RECEIVED:

#### (PRESSURE TEST)

Lift \_\_\_\_\_ OZ in WC in Hg PSI  
Leak \_\_\_\_\_ OZ in WC in Hg PSI

#### (VACUUM TEST)

Lift \_\_\_\_\_ OZ in WC in Hg PSI  
Leak \_\_\_\_\_ OZ in WC in Hg PSI

REMARKS: Reg'd: 11-30-09 make new Dup. Tag.  
08-08 1-m72072

#### PARTS REPLACED MATERIAL

CENTER GUIDE \_\_\_\_\_  
GUIDE POST \_\_\_\_\_  
SEATS \_\_\_\_\_  
BODY \_\_\_\_\_  
PRESSURE DIAPHRAGM ① 4" x 0.20  
SPRING \_\_\_\_\_

#### PARTS REPLACED MATERIAL

PRESSURE PALLET \_\_\_\_\_  
VACUUM PALET \_\_\_\_\_  
SCREEN \_\_\_\_\_  
HOOD \_\_\_\_\_  
VACUUM DIAPHRAGM ① 4" x 0.10  
OTHER \_\_\_\_\_

### Work Done on Valve:

☐ TEST ONLY ☐ CLEANED ☒ OVERHAUL ☐ ADJUSTED ☐ OTHER

Tested By: JEFFREY GARRETTSON

Set Pressure 9 OZ in WC in Hg PSI

Date Tested: 11-19-09

Set Vacuum 1.5 OZ in WC in Hg PSI

Test Fluid: ☐ Water ☒ Air ☐ Other Pressure Gauge S/N WC Vacuum Gauge S/N WC

### REMARKS:

Allen Myers



# INDUSTRIAL VALVE

☐ R&R ☐ Quote  
☐ Reset ☐ Reconditioned  
☐ Test & Repair if Needed  
☐ Test & Repair

Owner PROJECT AUTOMATION  
 Plant TUSCALOOSA, AL.  
 P.O. # \_\_\_\_\_

Date 11-18-09  
 Job # 450092007

FORM PVA REV 1 Revised 03/24/2008

## PRESSURE VACUUM VALVE OVERHAUL DATA SHEET

Work Required - Pretest & Condition Received

☐ New ☐ Good ☐ Fair ☒ Rough

### Valve Information:

Physical Location N/A  
 Model Number 2010  
 Serial Number N/A  
 Body Material SS  
 Hood Material SS  
 Bonnet Material \_\_\_\_\_  
 Set Vacuum 175 02 in WC in Hg PSI

PSV Number PVRV6  
 Equipment No. N/A  
 Manufacturer VAREC  
 Size 1 1/2"  
 Trim Material SS  
 Set Pressure 9 OZ in WC in Hg PSI

Recorded By: A.M. Date Recorded: 11-18-09

Test Complete Valve Using: ☐ Water ☒ Air ☐ Other

### VALVE OVERHAUL DATA (TO BE COMPLETED BY REPAIR TECH) - MARK % PLUGGED

CONDITION OF VALVE WHEN RECEIVED IN SHOP: ☐ 0% ☒ 25% ☐ 50% ☐ 75% ☐ 100%  
 CLEAN PLUGGED  
☐ Leaking ☐ Corroded ☐ Eroded  
☐ Spring Broken ☐ Stuck ☐ Binding ☐ Other \_\_\_\_\_

### ACTUAL TEST RESULTS AS RECEIVED:

#### (PRESSURE TEST)

Lift \_\_\_\_\_ OZ in WC in Hg PSI  
 Leak \_\_\_\_\_ OZ in WC in Hg PSI

#### (VACUUM TEST)

Lift \_\_\_\_\_ OZ in WC in Hg PSI  
 Leak \_\_\_\_\_ OZ in WC in Hg PSI

REMARKS: Reg'd. 11-30-09 Make New Dup. Tag.  
01-01 2-M 92072

#### PARTS REPLACED MATERIAL

CENTER GUIDE \_\_\_\_\_  
 GUIDE POST \_\_\_\_\_  
 SEATS \_\_\_\_\_  
 BODY \_\_\_\_\_  
 PRESSURE DIAPHRAGM 8 1/4" X 0.030 (1)  
 SPRING \_\_\_\_\_

#### PARTS REPLACED MATERIAL

PRESSURE PALLET \_\_\_\_\_  
 VACUUM PALET \_\_\_\_\_  
 SCREEN \_\_\_\_\_  
 HOOD \_\_\_\_\_  
 VACUUM DIAPHRAGM 8 1/4" X 0.020 (1)  
 OTHER \_\_\_\_\_

### Work Done on Valve:

☐ TEST ONLY ☐ CLEANED ☒ OVERHAUL ☐ ADJUSTED ☐ OTHER \_\_\_\_\_

Tested By: Derek Lindale Set Pressure 9 OZ in WC in Hg PSI

Date Tested: 11-20-09 Set Vacuum 0.75 02 in WC in Hg PSI

Test Fluid: ☐ Water ☒ Air ☐ Other Pressure Gauge S/N WC Vacuum Gauge S/N WC

### REMARKS:

Aaron Myers



# INDUSTRIAL VALVE

☐ R&R ☐ Quote  
☐ Reset ☐ Reconditioned  
☐ Test & Repair if Needed  
☐ Test & Repair

Owner Project Automation  
Plant TUSCALOOSA, AL.  
P.O. # \_\_\_\_\_

Date 11-18-09  
Job # 3-50092007

FORM PVA REV 1 Revised 03/24/2008

## PRESSURE VACUUM VALVE OVERHAUL DATA SHEET

Work Required - Pretest & Condition Received

☐ New ☐ Good ☒ Fair ☐ Rough

### Valve Information:

Physical Location NIA

PSV Number PVRV-2  
Equipment No. NIA  
Manufacturer VAREC  
Size 4" X 6"  
Trim Material S/S  
Set Pressure 9 OZ in WC in Hg PSI

Model Number 2020  
Serial Number NIA  
Body Material S/S  
Hood Material \_\_\_\_\_  
Bonnet Material \_\_\_\_\_  
Set Vacuum 0.75 07 in WC in Hg PSI

Recorded By: A.M. Date Recorded: 11-18-09

Test Complete Valve Using: ☐ Water ☒ Air ☐ Other

### VALVE OVERHAUL DATA (TO BE COMPLETED BY REPAIR TECH) - MARK % PLUGGED

CONDITION OF VALVE WHEN RECEIVED IN SHOP: ☒ 0% ☐ 25% ☐ 50% ☐ 75% ☐ 100%  
CLEAN → PLUGGED

☐ Leaking ☐ Corroded ☐ Eroded  
☐ Spring Broken ☐ Stuck ☐ Binding ☐ Other \_\_\_\_\_

### ACTUAL TEST RESULTS AS RECEIVED:

#### (PRESSURE TEST)

Lift \_\_\_\_\_ OZ in WC in Hg PSI

Leak \_\_\_\_\_ OZ in WC in Hg PSI

#### (VACUUM TEST)

Lift \_\_\_\_\_ OZ in WC in Hg PSI

Leak \_\_\_\_\_ OZ in WC in Hg PSI

REMARKS: Rec'd: 11-30-09  
09-08 3-1981763

#### PARTS REPLACED MATERIAL

CENTER GUIDE \_\_\_\_\_  
GUIDE POST \_\_\_\_\_  
SEATS \_\_\_\_\_  
BODY \_\_\_\_\_  
PRESSURE DIAPHRAGM \_\_\_\_\_  
SPRING \_\_\_\_\_

#### PARTS REPLACED MATERIAL

PRESSURE PALLET \_\_\_\_\_  
VACUUM PALET \_\_\_\_\_  
SCREEN \_\_\_\_\_  
HOOD \_\_\_\_\_  
VACUUM DIAPHRAGM \_\_\_\_\_  
OTHER \_\_\_\_\_

### Work Done on Valve:

☐ TEST ONLY ☐ CLEANED ☒ OVERHAUL ☐ ADJUSTED ☐ OTHER \_\_\_\_\_

Tested By: Adam Balen Set Pressure 9 OZ in WC in Hg PSI

Date Tested: 11-19-09 Set Vacuum 0.75 07 in WC in Hg PSI

Test Fluid: ☐ Water ☒ Air ☐ Other Pressure Gauge S/N WC Vacuum Gauge S/N WC

### REMARKS:

Adam Balen



# INDUSTRIAL VALVE

☐ R&R ☐ Quote  
☐ Reset ☐ Reconditioned  
☐ Test & Repair if Needed  
☐ Test & Repair

Owner: PROJECT AUTOMATION  
 Plant: TUSCALOOSA, AL.  
 P.O. # \_\_\_\_\_

Date: 11-18-09  
 Job #: 2-50092007

FORM PVA REV 1 Revised 03/24/2008

## PRESSURE VACUUM VALVE OVERHAUL DATA SHEET

Work Required - Pretest & Condition Received

☐ New ☐ Good ☐ Fair ☒ Rough

### Valve Information:

Physical Location \_\_\_\_\_

PSV Number PVRV-2602  
 Equipment No. 111A  
 Manufacturer VARREC  
 Size 3"  
 Trim Material S/S  
 Set Pressure 9 OZ in WC in Hg PSI

Model Number 2010  
 Serial Number \_\_\_\_\_  
 Body Material S/S  
 Hood Material S/S  
 Bonnet Material \_\_\_\_\_  
 Set Vacuum 0.75 OZ in WC in Hg PSI

Recorded By: A.M.

Date Recorded: 11-18-09

Test Complete Valve Using: ☐ Water ☒ Air ☐ Other

### VALVE OVERHAUL DATA (TO BE COMPLETED BY REPAIR TECH) - MARK % PLUGGED

CONDITION OF VALVE WHEN RECEIVED IN SHOP: ☐ 0% ☐ 25% ☒ 50% ☐ 75% ☐ 100%  
☒ Leaking ☒ Corroded ☐ Eroded ☐ CLEAN ☐ PLUGGED

☐ Spring Broken ☐ Stuck ☐ Binding ☐ Other \_\_\_\_\_

### ACTUAL TEST RESULTS AS RECEIVED:

#### (PRESSURE TEST)

Lift \_\_\_\_\_ OZ in WC in Hg PSI  
 Leak \_\_\_\_\_ OZ in WC in Hg PSI

#### (VACUUM TEST)

Lift \_\_\_\_\_ OZ in WC in Hg PSI  
 Leak \_\_\_\_\_ OZ in WC in Hg PSI

REMARKS: Regid: 11-30-09 make new Dup. TAG.  
07-07

#### PARTS REPLACED

#### MATERIAL

CENTER GUIDE \_\_\_\_\_

GUIDE POST \_\_\_\_\_

SEATS \_\_\_\_\_

BODY \_\_\_\_\_

PRESSURE DIAPHRAGM PRV 7" 5 9/16" OD x .020 (2)

SPRING \_\_\_\_\_

#### PARTS REPLACED

#### MATERIAL

PRESSURE PALLET \_\_\_\_\_

VACUUM PALET \_\_\_\_\_

SCREEN, VACUUM S/S

HOOD \_\_\_\_\_

VACUUM DIAPHRAGM PRV 7" 5 9/16" OD x .020 (2)

OTHER \_\_\_\_\_

### Work Done on Valve:

☐ TEST ONLY ☐ CLEANED ☒ OVERHAUL ☐ ADJUSTED ☐ OTHER \_\_\_\_\_

Tested By: J. Winchester

Set Pressure 9

OZ in WC in Hg PSI

Date Tested: 11-19-09

Set Vacuum 0.75

OZ in WC in Hg PSI

Test Fluid: ☐ Water ☒ Air ☐ Other

Pressure Gauge S/N WC Vacuum Gauge S/N WC

### REMARKS:

Blumenberg



# INDUSTRIAL VALVE

COPY SENT

☐ R&R ☐ Quote  
☐ Reset ☐ Reconditioned  
☒ Test & Repair if Needed  
☐ Test & Repair

Owner PROJECT AUTOMATION Date 12-03-09  
 Plant TUSCALOOSA, AL. Job # 350092088  
 P.O. # \_\_\_\_\_  
 FORM PVA REV 1 Revised 03/24/2008

## PRESSURE VACUUM VALVE OVERHAUL DATA SHEET

Work Required - Pretest & Condition Received

☐ New ☐ Good ☐ Fair ☒ Rough

### Valve Information:

PSV Number N/A  
 Equipment No. N/A  
 Manufacturer VAREC  
 Size 3"  
 Trim Material SIS  
 Set Pressure 8.5 OZ ☒ in WC in Hg PSI

Physical Location \_\_\_\_\_  
 Model Number 2010  
 Serial Number N/A  
 Body Material SIS  
 Hood Material SIS  
 Bonnet Material \_\_\_\_\_  
 Set Vacuum 1.0 OZ ☒ in WC in Hg PSI

Recorded By: A.M. Date Recorded: 12-03-09

Test Complete Valve Using: ☐ Water ☐ Air ☐ Other

### VALVE OVERHAUL DATA (TO BE COMPLETED BY REPAIR TECH) - MARK % PLUGGED

CONDITION OF VALVE WHEN RECEIVED IN SHOP: ☐ 0% ☐ 25% ☒ 50% ☐ 75% ☐ 100%  
 CLEAN → PLUGGED

☒ Leaking ☐ Corroded ☐ Eroded  
☐ Spring Broken ☐ Stuck ☐ Binding ☐ Other \_\_\_\_\_

### ACTUAL TEST RESULTS AS RECEIVED:

#### (PRESSURE TEST)

Lift 8.5 OZ ☒ in WC in Hg PSI  
 Leak \_\_\_\_\_ OZ in WC in Hg PSI

#### (VACUUM TEST)

Lift 1.0 OZ ☒ in WC in Hg PSI  
 Leak \_\_\_\_\_ OZ in WC in Hg PSI

REMARKS: 4-MARCH 07-08  
Reg'd. 12-10-09

### PARTS REPLACED MATERIAL

CENTER GUIDE \_\_\_\_\_  
 GUIDE POST \_\_\_\_\_  
 SEATS \_\_\_\_\_  
 BODY \_\_\_\_\_  
 PRESSURE DIAPHRAGM 5 1/2" 010  
 SPRING \_\_\_\_\_

### PARTS REPLACED MATERIAL

PRESSURE PALLET \_\_\_\_\_  
 VACUUM PALET \_\_\_\_\_  
 SCREEN \_\_\_\_\_  
 HOOD \_\_\_\_\_  
 VACUUM DIAPHRAGM 5 1/2" 010  
 OTHER \_\_\_\_\_

### Work Done on Valve:

☐ TEST ONLY ☒ CLEANED ☒ OVERHAUL ☐ ADJUSTED ☐ OTHER

Tested By: J. Winchester Set Pressure 8.5 OZ ☒ in WC in Hg PSI

Date Tested: \_\_\_\_\_ Set Vacuum 1.0 OZ ☒ in WC in Hg PSI

Test Fluid: ☐ Water ☒ Air ☐ Other Pressure Gauge S/N WC Vacuum Gauge S/N WC

### REMARKS:

Allen Myers





# INDUSTRIAL VALVE

COPY SENT

☐ R&R ☐ Quote  
☐ Reset ☐ Reconditioned  
☒ Test & Repair if Needed  
☐ Test & Repair

Owner: PROTECT AUTOMATION  
 Plant: TUSCALOOSA, AL.  
 P.O. # \_\_\_\_\_

Date: 12-03-09  
 Job #: 2-5092088

FORM PVA REV 1 Revised 03/24/2008

## PRESSURE VACUUM VALVE OVERHAUL DATA SHEET

Work Required - Pretest & Condition Received

☐ New ☐ Good ☐ Fair ☐ Rough

### Valve Information:

Physical Location \_\_\_\_\_

PSV Number PVRV-HOLD  
 Equipment No. N/A  
 Manufacturer VAREC  
 Size 4" X 16"  
 Trim Material ALUMINUM  
 Set Pressure 0.6 02 in WC in Hg PSI

Model Number 202032  
 Serial Number C16316  
 Body Material ALUMINUM  
 Hood Material ALUMINUM  
 Bonnet Material \_\_\_\_\_  
 Set Vacuum 0.6 02 in WC in Hg PSI

Recorded By: A.M. Date Recorded: 12-03-09

Test Complete Valve Using: ☐ Water ☐ Air ☐ Other

### VALVE OVERHAUL DATA (TO BE COMPLETED BY REPAIR TECH) - MARK % PLUGGED

CONDITION OF VALVE WHEN RECEIVED IN SHOP: ☐ 0% ☒ 25% ☐ 50% ☐ 75% ☐ 100%

☒ Leaking ☐ Corroded ☐ Eroded ☐ Spring Broken ☐ Stuck ☐ Binding ☐ Other \_\_\_\_\_

### ACTUAL TEST RESULTS AS RECEIVED:

#### (PRESSURE TEST)

Lift 1.0 02 in WC in Hg PSI  
 Leak 0 02 in WC in Hg PSI

#### (VACUUM TEST)

Lift 0.6 02 in WC in Hg PSI  
 Leak 0.5 02 in WC in Hg PSI

REMARKS: 4-M81763 09-08  
Regid: 12-10-09

### PARTS REPLACED MATERIAL

CENTER GUIDE \_\_\_\_\_  
 GUIDE POST \_\_\_\_\_  
 SEATS \_\_\_\_\_  
 BODY \_\_\_\_\_  
 PRESSURE DIAPHRAGM \_\_\_\_\_  
 SPRING \_\_\_\_\_

### PARTS REPLACED MATERIAL

PRESSURE PALLET \_\_\_\_\_  
 VACUUM PALET \_\_\_\_\_  
 SCREEN \_\_\_\_\_  
 HOOD \_\_\_\_\_  
 VACUUM DIAPHRAGM \_\_\_\_\_  
 OTHER \_\_\_\_\_

### Work Done on Valve:

☐ TEST ONLY ☒ CLEANED ☒ OVERHAUL ☐ ADJUSTED ☐ OTHER \_\_\_\_\_

Tested By: Josh Daggan Set Pressure 0.6 02 in WC in Hg PSI  
 Date Tested: 12-7-09 Set Vacuum 0.6 02 in WC in Hg PSI

Test Fluid: ☐ Water ☒ Air ☐ Other Pressure Gauge S/N 61 Vacuum Gauge S/N 61

### REMARKS:

Isaac Myers





# INDUSTRIAL VALVE

COPY SENT

☐ R&R ☐ Quote  
☐ Reset ☐ Reconditioned  
☒ Test & Repair if Needed  
☐ Test & Repair

Owner Protect Automation  
 Plant TUSCALOOSA, AL.  
 P.O. # \_\_\_\_\_  
 FORM PVA REV 1 Revised 03/24/2008

Date 12-03-09  
 Job # 1-50092088

## PRESSURE VACUUM VALVE OVERHAUL DATA SHEET

Work Required - Pretest & Condition Received

☐ New ☐ Good ☐ Fair ☒ Rough

### Valve Information:

PSV Number LOIN.PVRV  
 Equipment No. 111A  
 Manufacturer VAREC  
 Size 6"  
 Trim Material ALUMINUM  
 Set Pressure 9 OZ in WC in Hg PSI

Physical Location \_\_\_\_\_  
 Model Number 2010  
 Serial Number 111A  
 Body Material ALUMINUM  
 Hood Material ALUMINUM  
 Bonnet Material \_\_\_\_\_  
 Set Vacuum 0.75 OZ in WC in Hg PSI

Recorded By: A.M. Date Recorded: 12-03-09

Test Complete Valve Using: ☐ Water ☐ Air ☐ Other

### VALVE OVERHAUL DATA (TO BE COMPLETED BY REPAIR TECH) - MARK % PLUGGED

CONDITION OF VALVE WHEN RECEIVED IN SHOP: ☐ 0% ☐ 25% ☐ 50% ☐ 75% ☐ 100%  
☒ Leaking ☐ Corroded ☐ Eroded ☐ CLEAN ☐ PLUGGED  
☐ Spring Broken ☐ Stuck ☐ Binding ☐ Other \_\_\_\_\_

### ACTUAL TEST RESULTS AS RECEIVED:

#### (PRESSURE TEST)

Lift 9 OZ in WC in Hg PSI  
 Leak -0- OZ in WC in Hg PSI

#### (VACUUM TEST)

Lift 0.75 OZ in WC in Hg PSI  
 Leak -0- OZ in WC in Hg PSI

REMARKS: 5-M816M3-09-08

Regd: 12-10-09

#### PARTS REPLACED MATERIAL

CENTER GUIDE \_\_\_\_\_  
 GUIDE POST \_\_\_\_\_  
 SEATS \_\_\_\_\_  
 BODY \_\_\_\_\_  
 PRESSURE DIAPHRAGM 1-9 3/4 x .030  
 SPRING \_\_\_\_\_

#### PARTS REPLACED MATERIAL

PRESSURE PALLET \_\_\_\_\_  
 VACUUM PALET \_\_\_\_\_  
 SCREEN \_\_\_\_\_  
 HOOD \_\_\_\_\_  
 VACUUM DIAPHRAGM 1-9 3/4 x .030  
 OTHER \_\_\_\_\_

### Work Done on Valve:

☐ TEST ONLY ☐ CLEANED ☒ OVERHAUL ☐ ADJUSTED ☐ OTHER

Tested By: Jeffrey Galletton Set Pressure 9 OZ in WC in Hg PSI

Date Tested: 12-7-09 Set Vacuum 0.75 OZ in WC in Hg PSI

Test Fluid: ☐ Water ☒ Air ☐ Other Pressure Gauge S/N 61 Vacuum Gauge S/N 61

REMARKS:

Ascom peters

# PASS 3

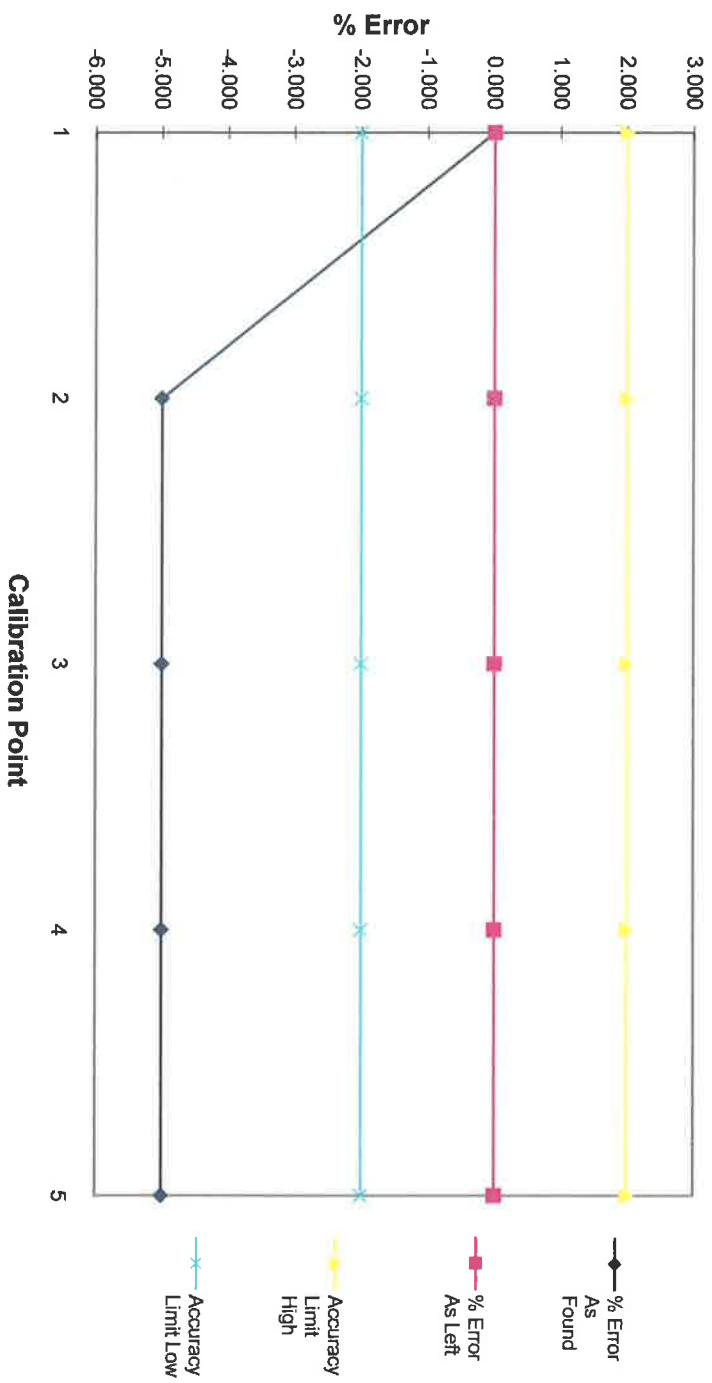
## Calibration Certification

Customer Name <b>ABC Coke Plant</b>				Contract/P.O. No.		
Application/Service <b>Light Oil Control Box</b>				Tag No. <b>LOCB-CV</b>		
Manufacturer <b>Fisher</b>		Model No. <b>n/a</b>		Serial No. <b>n/a</b>		
Instrument			<b>X</b>			
Type	Transmitter	Indicator	Controller	Recorder	Gauge Thermometer	
Accuracy		Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading		
Input Signal Range and Units						
Lo Range Value <b>4</b>	Hi Range Value <b>20</b>	Units <b>MADC</b>		Characteristic <b>Linear</b>	Special <b>Control Valve</b>	
Output Signal Range and Units						
Lo Range Value <b>0</b>	Hi Range Value <b>100</b>	Units <b>Percent</b>		Characteristic <b>Linear</b>	Special	
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4	0	0.0	0.000	0.0	0.000
25%	8	25	20.0	-5.000	25.0	0.000
50%	12	50	45.0	-5.000	50.0	0.000
75%	16	75	70.0	-5.000	75.0	0.000
100%	20	100	95.0	-5.000	100.0	0.000
Comments						
Calibration Equipment Used						
Calibrator	Description	Model No.		Instrument ID	NIST Cert. No.	
Input Device	<b>Fluke Calibrator</b>	<b>725</b>		<b>On File</b>	<b>On File</b>	
Output Device	<b>Local Display</b>					
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>10/12/2009</b>		Accepted By		Date Signed	
PASS Signature <b>JOHN HORTON</b>			Customer Signature			

# PASS 3

## Calibration Results Chart

Customer Name		Customer No.		Contract/P. O. No.	
ABC Coke Plant					
Application/Service		Tag No.			
Light Oil Control Box		LOCB-CV			
Manufacturer		Model No.		Serial No.	
Fisher		n/a		n/a	



# PASS 3

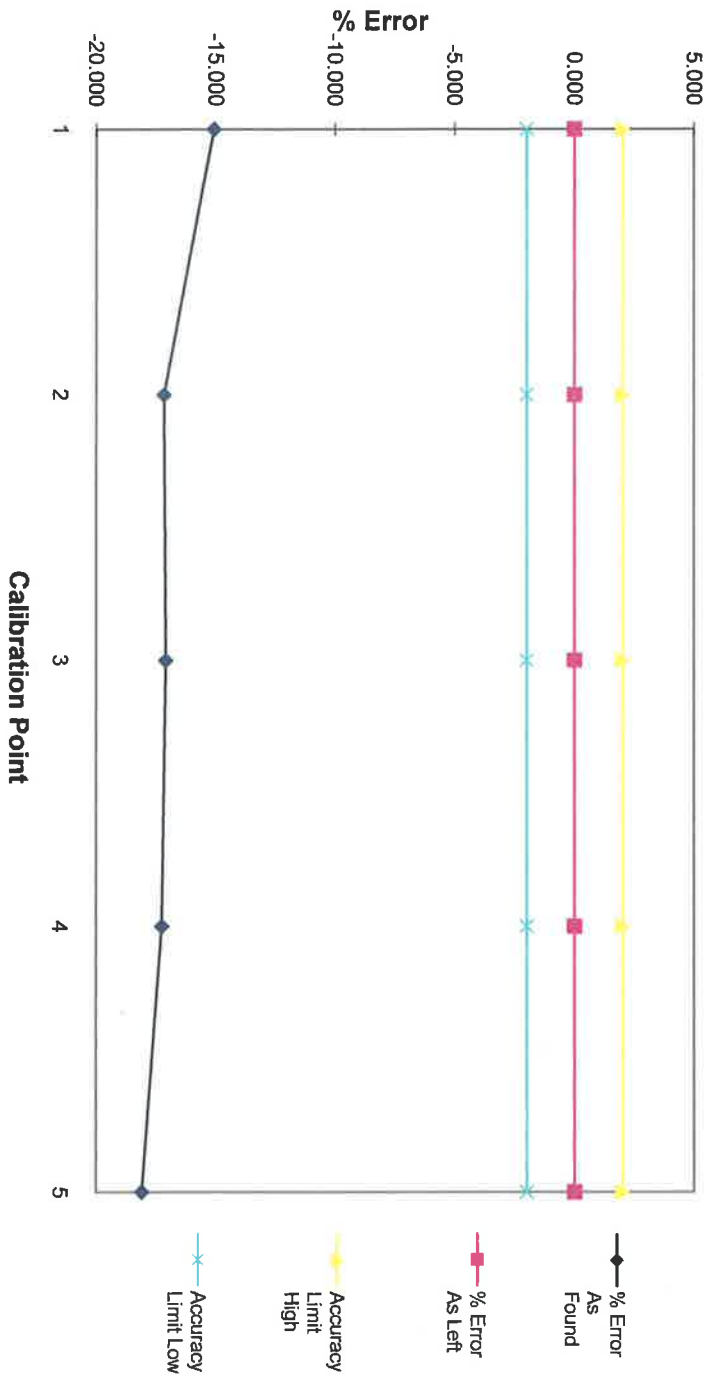
## Calibration Certification

Customer Name <b>ABC Coke Plant</b>				Contract/P.O. No.		
Application/Service <b>Light Oil Control Box</b>				Tag No. <b>LOCB-IP</b>		
Manufacturer <b>Dwyer</b>		Model No. <b>2342</b>		Serial No. <b>703</b>		
Instrument	<b>X</b>					
Type	Transmitter	Indicator	Controller	Recorder	Gauge Thermometer	
Accuracy		Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading		
Input Signal Range and Units						
Lo Range Value <b>4</b>	Hi Range Value <b>20</b>	Units <b>MADC</b>		Characteristic <b>Linear</b>	Special	
Output Signal Range and Units						
Lo Range Value <b>3</b>	Hi Range Value <b>15</b>	Units <b>PSIG</b>		Characteristic <b>Linear</b>	Special	
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4	3	1.190	-15.083	3.000	0.000
25%	8	6	3.940	-17.167	6.000	0.000
50%	12	9	6.950	-17.083	9.000	0.000
75%	16	12	9.930	-17.250	12.000	0.000
100%	20	15	12.830	-18.083	15.000	0.000
Comments						
Calibration Equipment Used						
Calibrator	Description	Model No.		Instrument ID	NIST Cert. No.	
Input Device	Fluke Calibrator	725		On File	On File	
Output Device	Fluke Calibrator	725		On File	On File	
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>10/12/2009</b>	Accepted By		Date Signed		
PASS 3 Signature <b>JOHN HORTON</b>		Customer Signature				



# Calibration Results Chart

Customer Name		Customer No.		Contract/P.O. No.	
ABC Coke Plant					
Application/Service		Model No.		Tag No.	
Light Oil Control Box				LOCB-IP	
Manufacturer		2342		Serial No.	
Dwyer				703	



# PASS 3

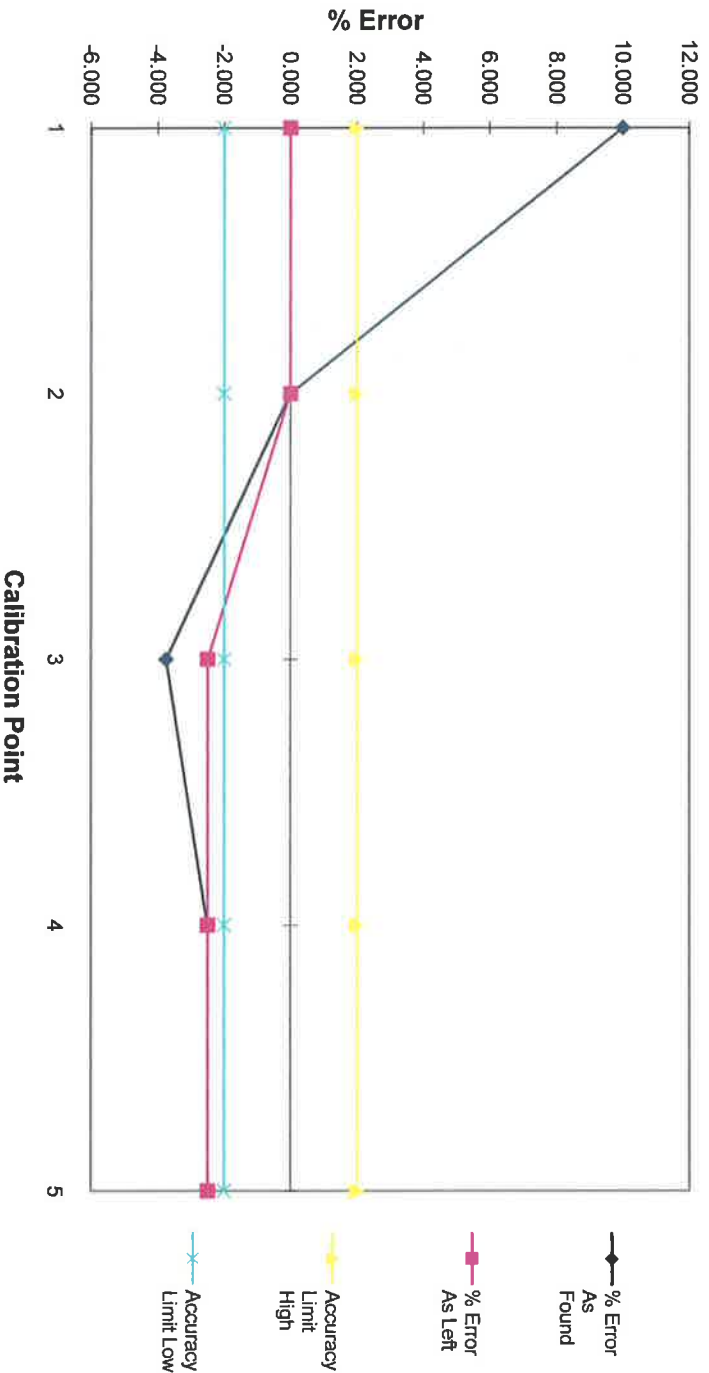
## Calibration Certification

Customer Name <b>ABC Coke Plant</b>					Contract/P.O. No.	
Application/Service <b>Light Oil Control Box</b>					Tag No. <b>LOCB-MAG</b>	
Manufacturer <b>Magnehelic</b>		Model No. <b>N/A</b>			Serial No. <b>N/A</b>	
Instrument		<b>X</b>				
Type	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
Accuracy		Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading		
Input Signal Range and Units						
Lo Range Value <b>10</b>	Hi Range Value <b>50</b>	Units <b>INH2O</b>		Characteristic <b>Linear</b>	Special	
Output Signal Range and Units						
Lo Range Value <b>10</b>	Hi Range Value <b>50</b>	Units <b>INH2O</b>		Characteristic <b>Linear</b>	Special	
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	10	10	10	10.000	10	0.000
25%	20	20	20	0.000	20	0.000
50%	30	30	29	-3.750	29	-2.500
75%	40	40	39	-2.500	39	-2.500
100%	50	50	49	-2.500	49	-2.500
Comments						
Calibration Equipment Used						
Calibrator	Description	Model No.		Instrument ID	NIST Cert. No.	
Input Device	<b>Fluke Calibrator</b>	<b>725</b>		<b>On File</b>	<b>On File</b>	
Output Device	<b>Local</b>					
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>11/24/2008</b>	Accepted By		Date Signed		
PASS 3 Signature <b>JOHN HORTON</b>		Customer Signature				



# Calibration Results Chart

Customer Name		Customer No.		Contract/P.O. No.	
ABC Coke Plant					
Application/Service				Tag No.	
Light Oil Control Box				LOCB-MAG	
Manufacturer		Model No.		Serial No.	
Magnehelic		N/A		N/A	





# PASS 3

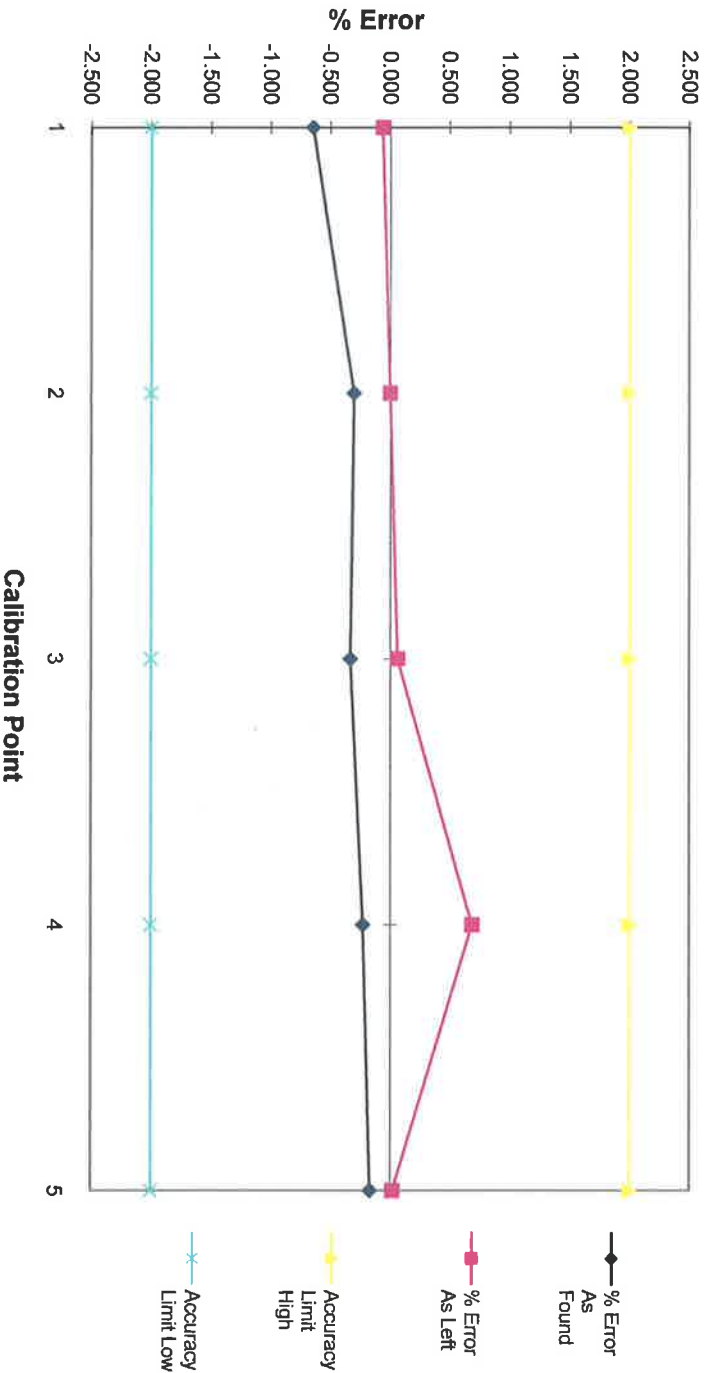
## Calibration Certification

Customer Name <b>ABC Coke Plant</b>		Contract/P.O. No.				
Application/Service <b>Light Oil Control Box</b>		Tag No. <b>LOCB-PT</b>				
Manufacturer <b>Rosemount</b>		Model No. <b>3051CD1A22A1AB4K5</b>				
Serial No. <b>1187845</b>						
Instrument	<b>X</b>					
Type	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
Accuracy	Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading			
Input Signal Range and Units						
Lo Range Value <b>-2</b>	Hi Range Value <b>14</b>	Units <b>INH2O</b>	Characteristic <b>Linear</b>	Special		
Output Signal Range and Units						
Lo Range Value <b>4</b>	Hi Range Value <b>20</b>	Units <b>MADC</b>	Characteristic <b>Linear</b>	Special		
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	-2	4	3.897	-0.644	3.990	-0.062
25%	2	8	7.952	-0.300	8.000	0.000
50%	6	12	11.947	-0.331	12.010	0.062
75%	10	16	15.964	-0.225	16.110	0.687
100%	14	20	19.973	-0.169	20.003	0.019
Comments						
Transmitter needs to be relocated above tap.						
Calibration Equipment Used						
Calibrator	Description	Model No.	Instrument ID	NIST Cert. No.		
Input Device	<b>HAND PUMP</b>	<b>DWYER</b>				
Output Device	<b>Fluke Calibrator</b>	<b>725</b>	<b>On File</b>	<b>On File</b>		
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>10/12/2009</b>	Accepted By	Date Signed			
PASS 3 Signature <b>JOHN HORTON</b>		Customer Signature				



## Calibration Results Chart

Customer Name		Customer No.		Contract/P.O. No.	
ABC Coke Plant					
Application/Service				Tag No.	
Light Oil Control Box				LOCB-PT	
Manufacturer		Model No.		Serial No.	
Rosemount		3051CD1A22A1AB4K5		1187845	



# PASS 3

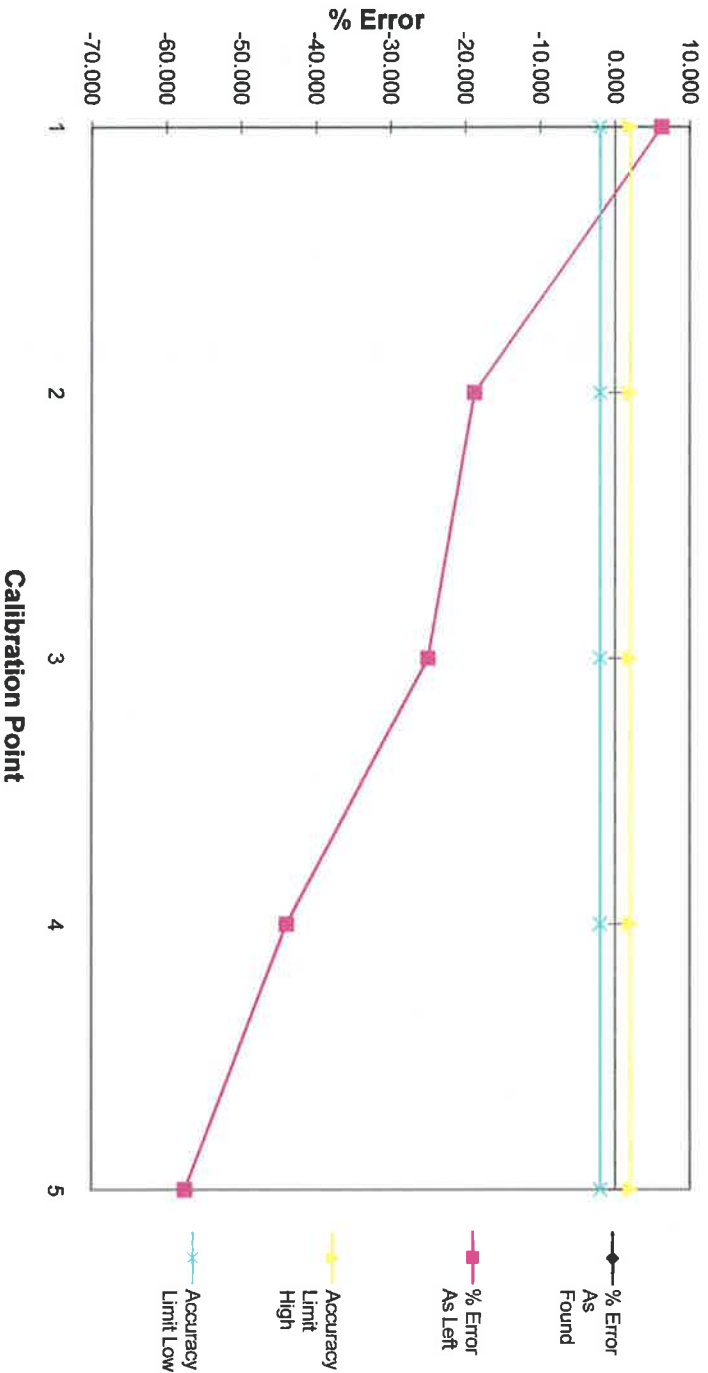
## Calibration Certification

Customer Name <b>ABC Coke Plant</b>			Contract/P.O. No.			
Application/Service <b>Platform Control Box</b>			Tag No. <b>PCB-PT</b>			
Manufacturer <b>Moore</b>		Model No. <b>341DBA5AABNN313</b>		Serial No. <b>23835</b>		
Instrument	<b>X</b>					
Type	Transmitter	Indicator	Controller	Recorder	Gauge Thermometer	
Accuracy		Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading		
Input Signal Range and Units						
Lo Range Value <b>-2</b>	Hi Range Value <b>14</b>	Units <b>INH2O</b>		Characteristic <b>Linear</b>	Special	
Output Signal Range and Units						
Lo Range Value <b>4</b>	Hi Range Value <b>20</b>	Units <b>MADC</b>		Characteristic <b>Linear</b>	Special	
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	-2.00	4.00	5.000	6.250	5.000	6.250
25%	2.00	8.00	5.000	-18.750	5.000	-18.750
50%	6.00	12.00	8.000	-25.000	8.000	-25.000
75%	10.00	16.00	8.970	-43.938	8.970	-43.938
100%	14.00	20.00	10.800	-57.500	10.800	-57.500
Comments						
Need new transmitter. Need to relocate transmitter						
Calibration Equipment Used						
Calibrator	Description	Model No.		Instrument ID	NIST Cert. No.	
Input Device	<b>HAND PUMP</b>	<b>DWYER</b>				
Output Device	<b>Fluke Calibrator</b>	<b>725</b>		<b>ON FILE</b>	<b>ON FILE</b>	
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>10/12/2009</b>	Accepted By		Date Signed		
PASS 3 Signature <b>JOHN HORTON</b>		Customer Signature				



# Calibration Results Chart

Customer Name		Customer No.		Contract/P.O. No.	
ABC Coke Plant					
Application/Service				Tag No.	
Platform Control Box				PCB-PT	
Manufacturer		Model No.		Serial No.	
Moore		341DBA5AABNN313		23835	



# PASS 3

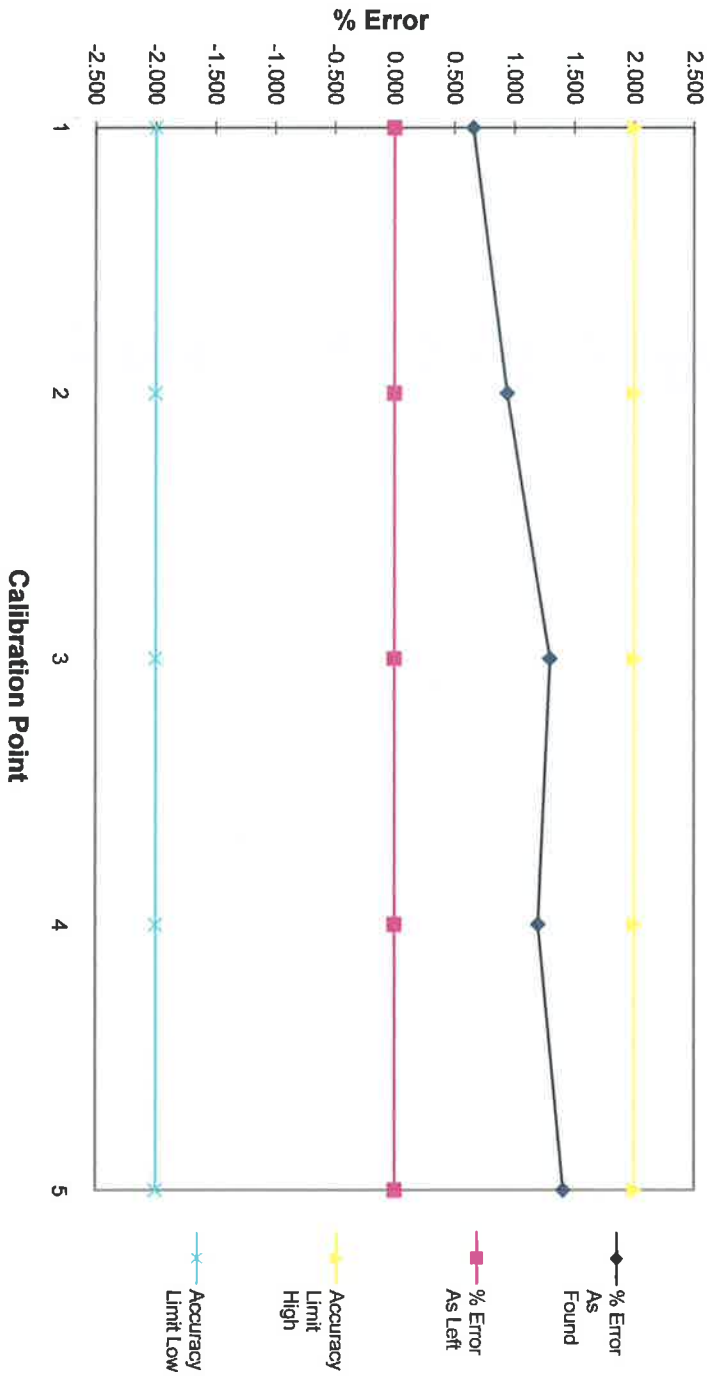
## Calibration Certification

Customer Name <b>ABC Coke Plant</b>			Contract/P.O. No.			
Application/Service <b>Platform Control Box</b>			Tag No. <b>PCB-IP</b>			
Manufacturer <b>Brandt</b>		Model No. <b>5131</b>		Serial No. <b>M513000F016280</b>		
Instrument	<b>X</b>					
Type	Transmitter	Indicator	Controller	Recorder	Gauge Thermometer	
Accuracy		Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading		
Input Signal Range and Units						
Lo Range Value <b>4</b>	Hi Range Value <b>20</b>	Units <b>MADC</b>	Characteristic <b>Linear</b>	Special		
Output Signal Range and Units						
Lo Range Value <b>3</b>	Hi Range Value <b>15</b>	Units <b>PSIG</b>	Characteristic <b>Linear</b>	Special		
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4.00	3.00	3.079	0.658	3.000	0.000
25%	8.00	6.00	6.113	0.942	6.000	0.000
50%	12.00	9.00	9.156	1.300	9.000	0.000
75%	16.00	12.00	12.144	1.200	12.000	0.000
100%	20.00	15.00	15.169	1.408	15.000	0.000
Comments						
Calibration Equipment Used						
Calibrator	Description	Model No.		Instrument ID	NIST Cert. No.	
Input Device	Fluke Calibrator	725 700PD5		ON FILE	ON FILE	
Output Device	Fluke Calibrator	725		ON FILE	ON FILE	
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>10/12/2009</b>	Accepted By		Date Signed		
PASS 3 Signature <b>JOHN HORTON</b>		Customer Signature				



# Calibration Results Chart

Customer Name		Customer No.		Contract/P.O. No.	
ABC Coke Plant					
Application/Service				Tag No.	
Platform Control Box				PCB-IP	
Manufacturer		Model No.		Serial No.	
Brandt		5131		M513000F016280	



# PASS 3

## Calibration Certification

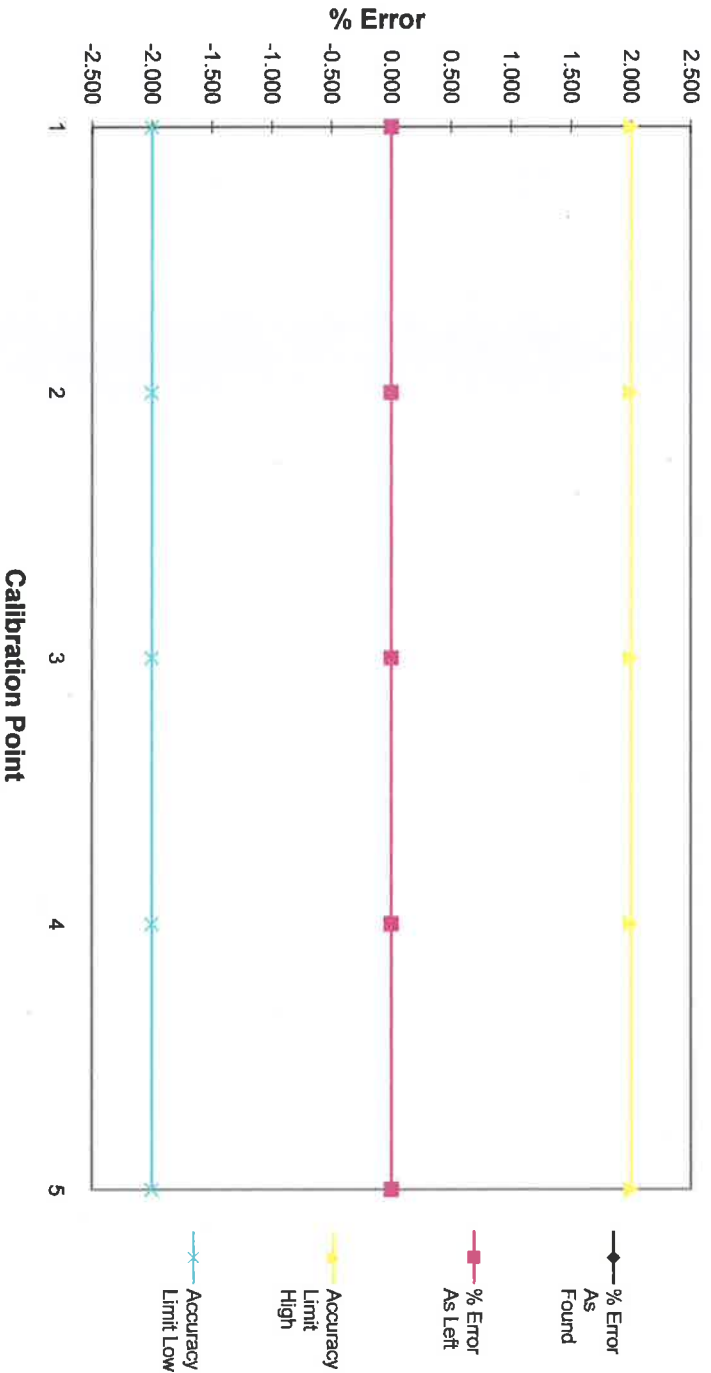
Customer Name <b>ABC Coke Plant</b>					Contract/P.O. No.	
Application/Service <b>Platform Control Box</b>					Tag No. <b>PCB-CV</b>	
Manufacturer <b>PMV</b>		Model No. <b>P-1200</b>			Serial No. <b>158910</b>	
Instrument	<b>X</b>					
Type	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
Accuracy		Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading		
Input Signal Range and Units						
Lo Range Value <b>4</b>	Hi Range Value <b>20</b>	Units <b>MADC</b>		Characteristic <b>Linear</b>	Special	
Output Signal Range and Units						
Lo Range Value <b>0</b>	Hi Range Value <b>100</b>	Units <b>Percent</b>		Characteristic <b>Linear</b>	Special	
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4.00	0.00				
25%	8.00	25.00				
50%	12.00	50.00				
75%	16.00	75.00				
100%	20.00	100.00				
Comments						
Note: control valve is span 0 to 20 percent						
needs new controller on control valve						
Calibration Equipment Used						
Calibrator	Description	Model No.		Instrument ID	NIST Cert. No.	
Input Device	Fluke Calibrator	725 700PD5		ON FILE	ON FILE	
Output Device	LOCAL					
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>10/12/2009</b>	Accepted By		Date Signed		
PASS 3 Signature <b>JOHN HORTON</b>		Customer Signature				





# Calibration Results Chart

Customer Name <b>ABC Coke Plant</b>		Customer No.	Contract/P. O. No.
Application/Service <b>Platform Control Box</b>		Tag No.	<b>PCB-CV</b>
Manufacturer <b>PMV</b>	Model No. <b>P-1200</b>	Serial No. <b>158910</b>	



# PASS 3

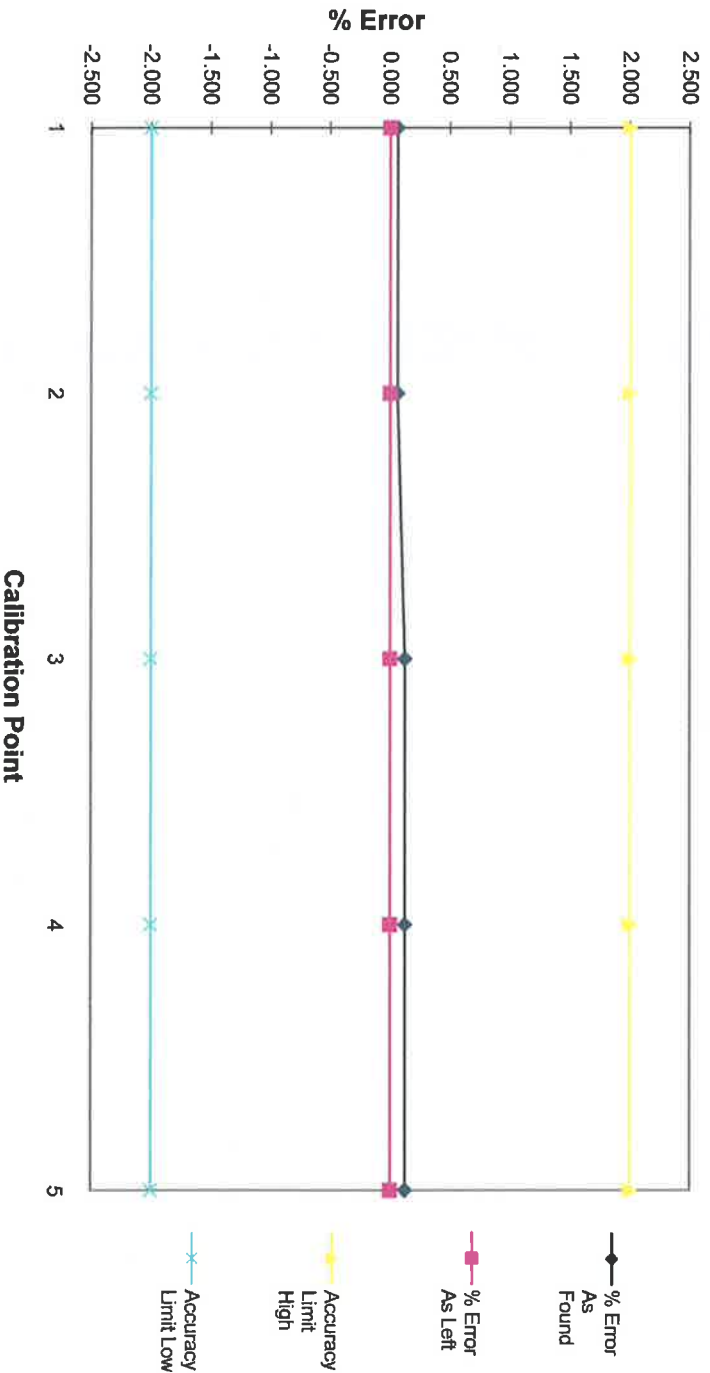
## Calibration Certification

Customer Name <b>ABC Coke Plant</b>					Contract/P.O. No.	
Application/Service <b>Light Oil Control Box</b>					Tag No. <b>LOCB-YC</b>	
Manufacturer <b>Yokogawa</b>		Model No. <b>UT-550</b>			Serial No. <b>TIC10628-303</b>	
Instrument		<b>X</b>				
Type	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
Accuracy		Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading		
Input Signal Range and Units						
Lo Range Value <b>4</b>	Hi Range Value <b>20</b>	Units <b>MADC</b>		Characteristic <b>Linear</b>	Special	
Output Signal Range and Units						
Lo Range Value <b>-2</b>	Hi Range Value <b>14</b>	Units <b>INH2O</b>		Characteristic <b>Linear</b>	Special	
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4	-2	-1.99	0.063	-2.00	0.000
25%	8	2	2.01	0.062	2.00	0.000
50%	12	6	6.02	0.125	6.00	0.000
75%	16	10	10.02	0.125	10.00	0.000
100%	20	14	14.02	0.125	14.00	0.000
Comments						
Calibration Equipment Used						
Calibrator	Description	Model No.		Instrument ID	NIST Cert. No.	
Input Device	Fluke Calibrator	725		On File	On File	
Output Device	Local Display					
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>10/12/2009</b>	Accepted By		Date Signed		
PASS 3 Signature <b>JOHN HORTON</b>		Customer Signature				



# Calibration Results Chart

Customer Name		Customer No.		Contract/P.O. No.	
ABC Coke Plant					
Application/Service				Tag No.	
Light Oil Control Box				LOCB-YC	
Manufacturer		Model No.		Serial No.	
Yokogawa		UT-550		TIC10628-303	



# PASS 3

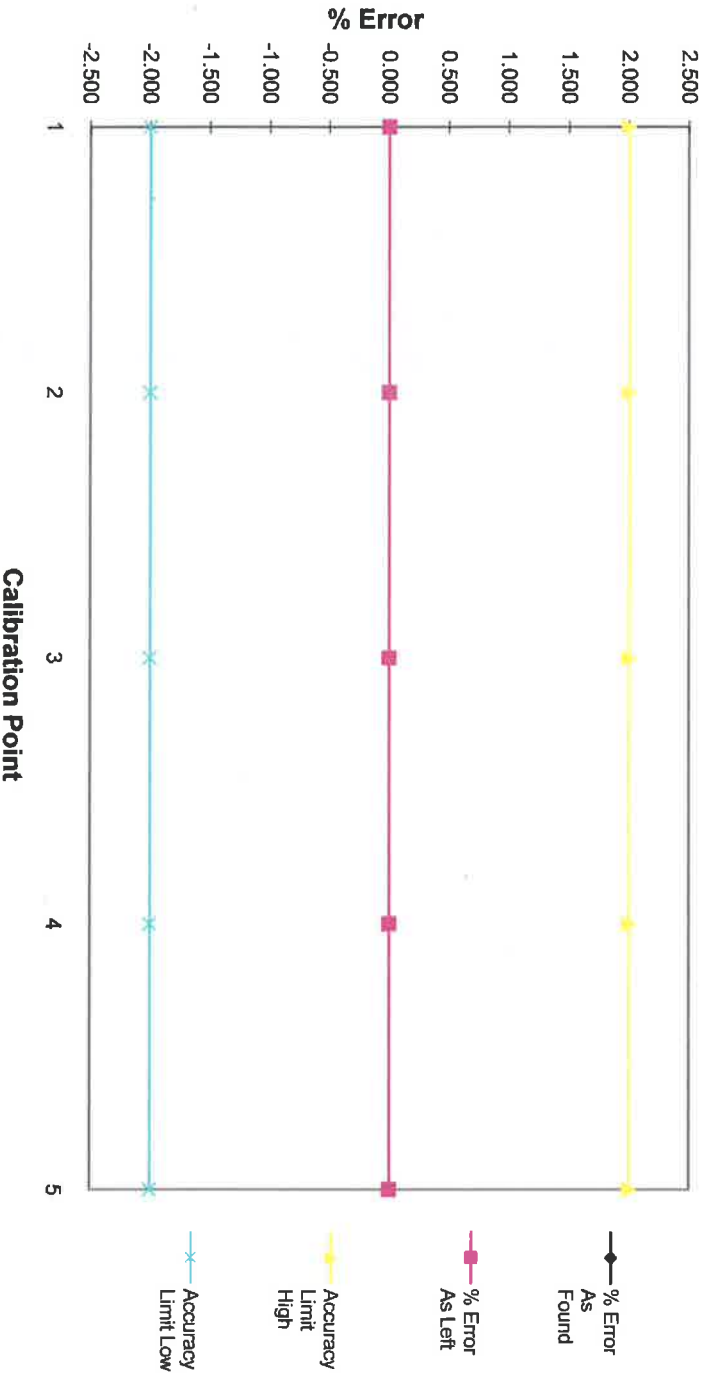
## Calibration Certification

Customer Name <b>ABC Coke Plant</b>					Contract/P.O. No.	
Application/Service <b>Tar Tank Control Box</b>					Tag No. <b>TTCB-PT</b>	
Manufacturer <b>Ashcroft</b>		Model No. <b>1XLDP</b>			Serial No. <b>81000122</b>	
Instrument	<b>X</b>					
Type	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
Accuracy		Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading		
Input Signal Range and Units						
Lo Range Value <b>-2</b>	Hi Range Value <b>14</b>	Units <b>INH20</b>		Characteristic <b>Linear</b>	Special	
Output Signal Range and Units						
Lo Range Value <b>-2</b>	Hi Range Value <b>14</b>	Units <b>INH20</b>		Characteristic <b>Linear</b>	Special	
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	-2	4				
25%	2	8				
50%	6	12				
75%	10	16				
100%	14	20				
Comments						
Will not calibrate told Charlie needs to be replaced						
Reading 4 " high						
Calibration Equipment Used						
Calibrator	Description	Model No.		Instrument ID	NIST Cert. No.	
Input Device	<b>HAND PUMP</b>	<b>DWYER</b>				
Output Device	<b>Fluke Calibrator</b>	<b>725</b>		<b>On File</b>	<b>On File</b>	
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>10/12/2009</b>	Accepted By		Date Signed		
PASS 3 Signature <b>JOHN HORTON</b>		Customer Signature				



## Calibration Results Chart

Customer Name <b>ABC Coke Plant</b>		Customer No.	Contract/P.O. No.
Application/Service <b>Tar Tank Control Box</b>		Tag No.	<b>TTCB-PT</b>
Manufacturer <b>Ashcroft</b>	Model No. <b>1XLDP</b>	Serial No.	<b>81000122</b>



# PASS 3

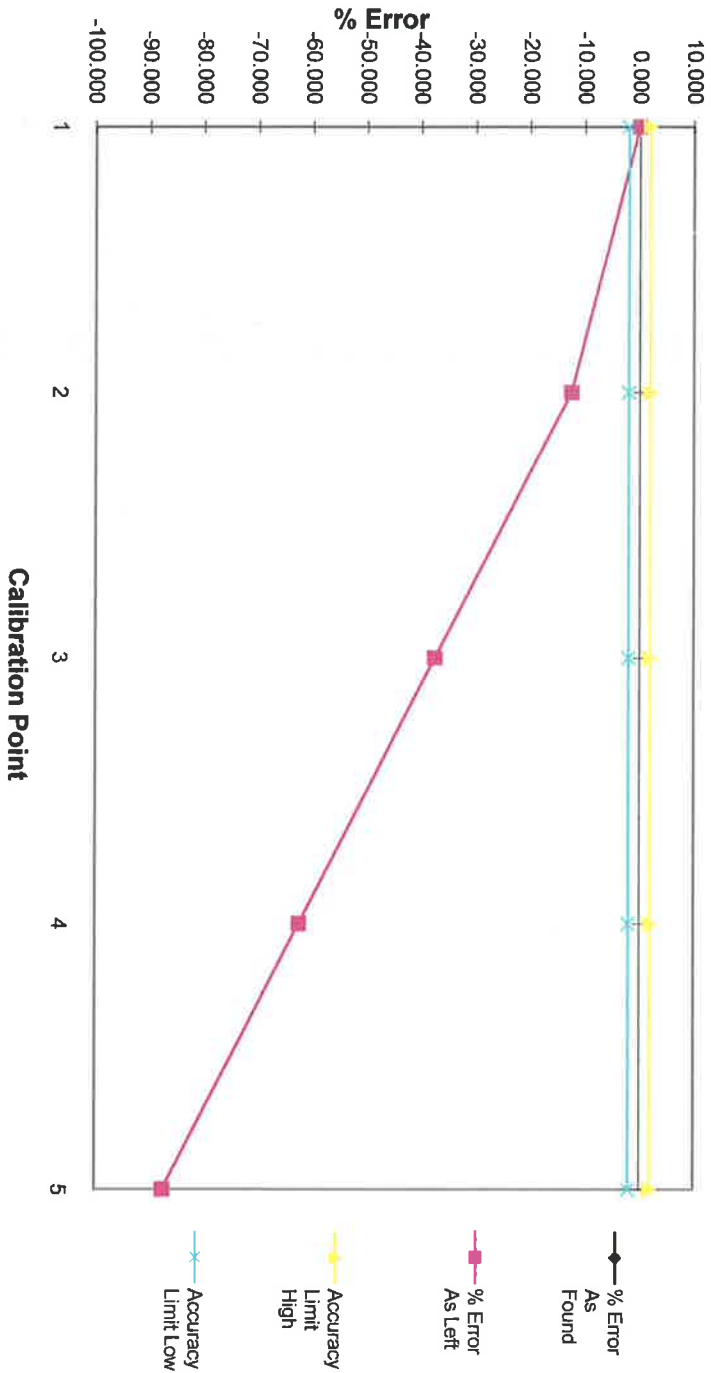
## Calibration Certification

Customer Name <b>ABC Coke Plant</b>				Contract/P.O. No.		
Application/Service <b>Tar Tank Control Box</b>				Tag No. <b>TTCB-MAG</b>		
Manufacturer <b>Magnehelic</b>		Model No. <b>2000-oc</b>		Serial No. <b>R98085RM15</b>		
Instrument	<b>X</b>					
Type	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
Accuracy		Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading		
Input Signal Range and Units						
Lo Range Value <b>0.10</b>	Hi Range Value <b>0.50</b>	Units <b>PSIG</b>		Characteristic <b>Linear</b>	Special	
Output Signal Range and Units						
Lo Range Value <b>0.10</b>	Hi Range Value <b>0.50</b>	Units <b>PSIG</b>		Characteristic <b>Linear</b>	Special	
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	0.10	0.10	0.10	0.000	0.10	0.000
25%	0.20	0.20	0.15	-12.500	0.15	-12.500
50%	0.30	0.30	0.15	-37.500	0.15	-37.500
75%	0.40	0.40	0.15	-62.500	0.15	-62.500
100%	0.50	0.50	0.15	-87.500	0.15	-87.500
Comments						
BAD NEED TO REPLACE						
Calibration Equipment Used						
Calibrator	Description	Model No.		Instrument ID	NIST Cert. No.	
Input Device	Fluke Calibrator	725		On File	On File	
Output Device	Local					
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>10/12/2009</b>	Accepted By		Date Signed		
PASS 3 Signature <b>JOHN HORTON</b>		Customer Signature				



# Calibration Results Chart

Customer Name		Customer No.		Contract/P.O. No.	
ABC Coke Plant					
Application/Service				Tag No.	
Tar Tank Control Box				TTCB-MAG	
Manufacturer		Model No.		Serial No.	
Magnehelic		2000-oc		R98085RM15	





# PASS 3

## Calibration Certification

Customer Name <b>ABC Coke Plant</b>					Contract/P.O. No.	
Application/Service <b>Tar Tank Control Box</b>					Tag No. <b>TTCB-IP</b>	
Manufacturer <b>Brandt</b>		Model No. <b>STD5131</b>			Serial No. <b>M513000F-16278</b>	
Instrument	<b>X</b>					
Type	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
Accuracy		Plus <b>2.0</b>	Minus <b>2.0</b>	<input checked="" type="checkbox"/> % of Span <input type="checkbox"/> % of Reading		
Input Signal Range and Units						
Lo Range Value <b>4</b>	Hi Range Value <b>20</b>	Units <b>MADC</b>		Characteristic <b>Linear</b>	Special	
Output Signal Range and Units						
Lo Range Value <b>3</b>	Hi Range Value <b>15</b>	Units <b>PSIG</b>		Characteristic <b>Linear</b>	Special	
Instrument Condition as Found						
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4	3	2.990	-0.083	2.990	-0.083
25%	8	6	5.990	-0.083	5.990	-0.083
50%	12	9	8.980	-0.167	8.980	-0.167
75%	16	12	11.990	-0.083	11.990	-0.083
100%	20	15	14.989	-0.092	14.980	-0.167
Comments						
Calibration Equipment Used						
Calibrator	Description	Model No.		Instrument ID	NIST Cert. No.	
Input Device	Fluke Calibrator	725		On File	On File	
Output Device	Fluke Calibrator	725		On File	On File	
Approvals						
Hours <b>1.0</b>	Date Work Performed <b>10/12/2009</b>	Accepted By		Date Signed		
PASS 3 Signature <b>JOHN HORTON</b>		Customer Signature				



## Calibration Results Chart

Customer Name <b>ABC Coke Plant</b>		Customer No.	Contract/P.O. No.
Application/Service <b>Tar Tank Control Box</b>		Tag No. <b>TTCB-1P</b>	
Manufacturer <b>Brandt</b>	Model No. <b>STD5131</b>	Serial No. <b>M513000F-16278</b>	

